

## INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/GB2004/050033

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D307/60 C07D307/62 A61K31/365 A61P25/00 A61P29/00  
A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JUNG J H ET AL: "Cytotoxic Pyrrolo- and Furanoterpenoids from the Sponge Sarcotragus Species" JOURNAL OF NATURAL PRODUCTS, vol. 65, 2002, pages 1307-1314, XP002318197	1,5,6, 15,16
Y	page 1312, column 1; table 5; compounds 1-4	3,11,13
X	JUNG J H ET AL: "New Cytotoxic Sesterterpenes from the Sponge Sarcotragus Species" JOURNAL OF NATURAL PRODUCTS, vol. 64, 2001, pages 1301-1304, XP002318198	1,5,6, 15,16
Y	page 1303, column 1; table 3; compounds 1-3	3,11,13
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

17 February 2005

Date of mailing of the international search report

03/03/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BLUNT J W, MUNRO M H G ET AL: "Variabilin and related compounds from a sponge of the genus sarcotragus" JOURNAL OF NATURAL PRODUCTS, vol. 51, no. 2, 1988, pages 275-281, XP002318199	1,5,6, 15,16
Y	page 275; compounds 1A,2A,3	3,11,13
Y	HAMANN M T ET AL: "The Biocatalytic Transformation of Furan to Amide in the Bioactive Marine Natural Product Palinurin" JOURNAL OF ORGANIC CHEMISTRY, vol. 64, 1999, pages 9258-9260, XP002318200 cited in the application page 9258	1,3,5,6, 11,13, 15,16
Y	DUQUE C, FUJIMOTO Y ET AL: "(8Z,13Z,20Z)-Strobilinin and (7Z,13Z,20Z)-Felixinin: New Furanosesterterpene Tetronic Acids from Marine Sponges of the Genus Ircinia" CHEMICAL AND PHARMACEUTICAL BULLETIN, vol. 45, no. 1, 1997, pages 181-184, XP009044101 figure 2	1,3,5,6, 11,13, 15,16
A	WO 01/85685 A (CONSEJO SUPERIOR INVESTIGACIONES CIENTIFICAS; RUFFLES, GRAHAM, KEITH;) 15 November 2001 (2001-11-15) abstract; claim 1	1-16

## INTERNATIONAL SEARCH REPORT

national application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 15 and 16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/050033

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0185685	A	15-11-2001	ES 2166328 A1	01-04-2002
			AU 5498101 A	20-11-2001
			BR 0110734 A	04-02-2003
			CA 2408747 A1	15-11-2001
			CZ 20023692 A3	18-06-2003
			EP 1286964 A1	05-03-2003
			WO 0185685 A1	15-11-2001
			HU 0302002 A2	29-09-2003
			JP 2003532708 T	05-11-2003
			PL 359671 A1	06-09-2004
			US 2003195238 A1	16-10-2003
			US 2005014803 A1	20-01-2005